

What is claimed is:

1. A single use recyclable infant feeding bottle comprising:

a container including a bottom face and a peripheral side wall integrally coupled thereto and extending upwardly therefrom for defining an interior space for holding liquid and forming an open end with a container lip, wherein the container lip includes an outer securing hook extending outwardly from the container lip and an inner securing rib extending inwardly from the container lip and spacing further from the outer securing hook of the container lip; and

an integral assembly including a teat for sucking and a sealing cap with a frusto-conical configuration having an upper portion and a lower portion; wherein the teat has an outwardly peripheral extension at its base; wherein the upper portion of the sealing cap includes a top surface, an upwardly extension extending from the inner edge of the top surface and forming a center for allowing the liquid in said container flow to the teat, and an annular recession formed on the top surface outwardly from the upwardly extension for receiving the outwardly peripheral extension of the teat; and wherein the lower portion of the sealing cap includes a sealing lip having an inner annular flange extending downwardly from the end tip of the lower portion and having a circumvential hump for engaging with the inner securing rib of said container to form a leak proof seal for preventing the liquid from discharging from said container, and an outer annular flange extending outwardly at first and then downwardly from the end tip of the lower portion and having a locking flange inwardly extending horizontally from said outer annular flange with a lower angularly disposed shoulder surface for engaging with the outer

securing hook of said container, the outer annular flange spaced from the inner annular flange as to receive the container lip;

thereby, when said integral assembly engages with said container, a single use recyclable infant feeding bottle is provided that is for a single use.

2. The single use recyclable infant feeding bottle of claim 1, further comprising an elastomeric valve integrally disposed onto the edge of the outwardly peripheral extension of the teat; wherein the top surface of the upper portion of the sealing cap having a vent hole for receiving the elastomeric valve of the teat.
3. The single use recyclable infant feeding bottle of claim 1, further comprising a teat cover for preventing the teat from contacting with external environment; wherein the teat cover engages with the sealing cap.
4. The single use recyclable infant feeding bottle of claim 3, wherein the teat cover has an annular rib formed on its inner surface; thereby, when the teat cover engages with the sealing cap, the annular rib of the teat cover presses against the top surface of the teat to provide further protection of the teat from leaking or exposing its sucking holes from external environment.
5. The single use recyclable infant feeding bottle of any of claims 1-5, wherein the teat and valve are made of a material selected from the group consisting of thermoplastic elastomer, latex and silicon.
6. The single use recyclable infant feeding bottle of any of claims 1-5, wherein the sealing cap, the teat cover and the container are made of a

material selected from the group consisting of plastic, polypropylene, polycarbonate, polystyrene, and polyethylene.

7. A single use recyclable infant feeding bottle comprising:

a container including a bottom face and a peripheral side wall integrally coupled thereto and extending upwardly therefrom for defining an interior space for holding liquid and forming an open end with a container lip, wherein the container lip includes an outer securing hook extending outwardly from the container lip and an inner securing rib extending inwardly from the container lip and spacing further from the outer securing hook of the container lip; and

an integral assembly including a teat for sucking and a sealing cap with a frusto-conical configuration having an upper portion and a lower portion; wherein the teat has an outwardly peripheral extension at its base and an elastomeric valve integrally disposed onto the edge of the outwardly peripheral extension of the teat; wherein the upper portion of the sealing cap includes a top surface with a vent hole for receiving the elastomeric valve of the teat, an upwardly extension extending from the inner edge of the top surface and forming a center for allowing the liquid in said container flow to the teat, and an annular recession formed on the top surface outwardly from the upwardly extension for receiving the outwardly peripheral extension of the teat; and wherein the lower portion of the sealing cap includes a sealing lip having an inner annular flange extending downwardly from the end tip of the lower portion and having a circumvential hump for engaging with the inner securing rib of said container to form a leak proof seal for preventing the liquid from discharging from said container, and an outer annular flange extending outwardly at first and then downwardly from the end tip of the

lower portion and having a locking flange inwardly extending horizontally from said outer annular flange with a lower angularly disposed shoulder surface for engaging with the outer securing hook of said container, the outer annular flange spaced from the inner annular flange as to receive the container lip;

thereby, when said integral assembly engages with said container, a single use recyclable infant feeding bottle is provided that is for a single use.